

## 10-7544: Monoclonal Antibody to HGAL (Clone: ABM43E6)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM43E6
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	GCSAM
<b>Gene ID :</b>	257144
<b>Uniprot ID :</b>	Q8N6F7
<b>Format :</b>	Purified
<b>Alternative Name :</b>	GCSAM,GAL,GCET2
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	A full length human HGAL protein was used as the immunogen for this antibody

### Description

Human germinal center-associated lymphoma (HGAL) is specifically expressed only in germinal center (GC), B lymphocytes and GC-derived lymphomas. It is located on chromosome 3q13, comprises 6 exons and encodes a cytoplasmic protein of 178 amino acids that contains an immunoreceptor tyrosine-based activation motif (ITAM). HGAL decreases lymphocyte motility by inhibiting the ability of myosin to translocate actin via direct interaction with F-actin and myosin II and by activating RhoA signaling via direct interactions with RhoA-specific guanine nucleotide exchange factors. It also regulates B-cell receptor (BCR) signaling by directly binding to and enhancing Syk kinase activity and activation of its downstream effectors (Ref-1). HGAL expression by tumor cells correlates with a favorable prognosis in patients with diffuse large B-cell and classical Hodgkin lymphomas.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Immunohistochemical analysis: 5 µg/ml

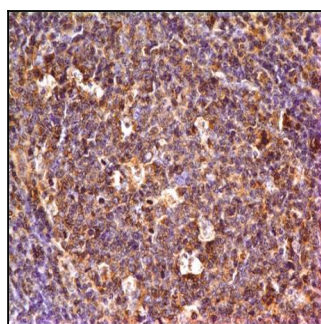


Fig-1 : Immunohistochemical analysis of HGAL in human tonsil tissue using HGAL antibody (Clone: ABM43E6) at 5 µg/ml.